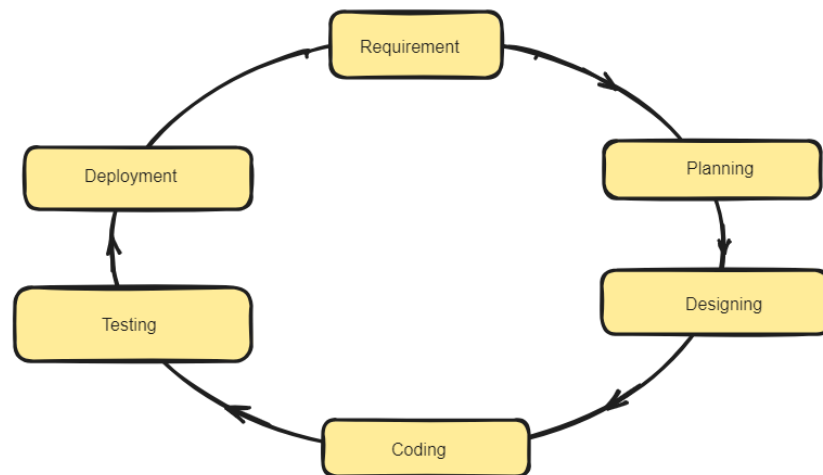# Assignment 1:

SDLC Overview - Create a one-page infographic that outlines the SDLC phases (Requirements, Design, Implementation, Testing, Deployment), highlighting the importance of each phase and how they interconnect.

Software Development Life Cycle (SDLC) is a process used by the software industry to design, develop and test high quality softwares. Here the software which we have to make go through the each steps.

1. Planning :-

- It is the very important part here we discuss the planning of the software.
- What should be the cost, phases ,time it takes.
- What is the objective of the project.
- What we need to create this project.

2. Requirement:-

- What resources we need.
- Market data.
- Functionality which a app should have
- All the details will be provide.

3. Design :-

- Once the requirement are understood, the design process take place.
- Its makes use of established patterns for application architecture (UI/UX) and software development. Decide which frameworks going to use.

4. Coding:-

- Here we code the software according to the requirements.
- We use many types of programming languages.
- We also review the code.

5. Testing :-

- Here when the the coding part is done we test the code.
- We provide multiple test cases to check it functionality.
- If we get the desired result the we go to the next phase.

6. Deployment:-

- Here after testing phase done we got working app.
- And in this phase we deploy the project online.
- To the public domain to use the public

7. Maintenance :-

- In it if we got any error according to the feedback we make changes.
- We make sure that our software keep working.
- Bugs and defect discovered in production must be reported and responded to which often work back into process.